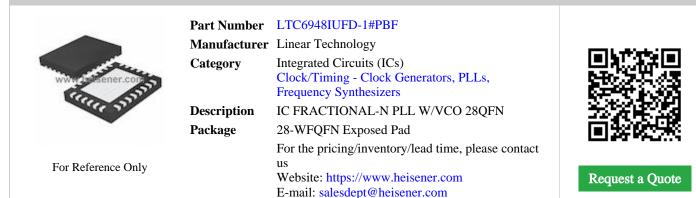


LTC6948IUFD-1#PBF

LTC6948IUFD-1#PBF Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



LTC6948IUFD-1#PBF Specifications

ManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage28-WFQFN Exposed PadSeries-TypeClock/Frequency Synthesizer (RF/IF), Fractional NPLLYesInputClockOutputClockOutputClockNumber of Circuits1Ratio - Input:Output1Pifferential - Input:OutputYesPifferential - Input:OutputYes/YesDivider/Multiplier3.74GHzVoltage - Supply3.15 V ~ 5.25 VOutput Gruppe40°C ~ 105°CMounting TypeSurface Mount		
CategoryIntegrated Circuits (ICs) Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage28-WFQFN Exposed PadSeries-TypeClock/Frequency Synthesizer (RF/IF), Fractional NPLLYesInputClockOutputClockNumber of Circuits1Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Manufacturer Part Number	LTC6948IUFD-1#PBF
Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage28-WFQFN Exposed PadSeries-TypeClock/Frequency Synthesizer (RF/IF), Fractional NPLLYesInputClockOutputClockNumber of Circuits1Ratio - Input:OutputYes/YesDifferential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Manufacturer	Linear Technology
Package28-WFQFN Exposed PadSeries-TypeClock/Frequency Synthesizer (RF/IF), Fractional NPLLYesInputClockOutputClockOutputClockNumber of Circuits1Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating TemperatureGurface MountMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Category	Integrated Circuits (ICs)
Series-TypeClock/Frequency Synthesizer (RF/IF), Fractional NPLLYesInputClockOutputClockOutputClockNumber of Circuits1Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)		Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers
TypeClock/Frequency Synthesizer (RF/IF), Fractional NPLLYesInputClockOutputClockOutputClockNumber of Circuits1Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Package	28-WFQFN Exposed Pad
PLLYesInputClockOutputClockNumber of Circuits1Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Series	-
InputClockOutputClockNumber of Circuits1Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Туре	Clock/Frequency Synthesizer (RF/IF), Fractional N
Output Clock Number of Circuits 1 Ratio - Input:Output 1:1 Differential - Input:Output Yes/Yes Frequency - Max 3.74GHz Divider/Multiplier Yes/No Voltage - Supply 3.15 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Mounting Type Surface Mount Package / Case 28-WFQFN Exposed Pad Supplier Device Package 28-QFN (4x5)	PLL	Yes
Number of Circuits1Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Input	Clock
Ratio - Input:Output1:1Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Output	Clock
Differential - Input:OutputYes/YesFrequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Number of Circuits	1
Frequency - Max3.74GHzDivider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Ratio - Input:Output	1:1
Divider/MultiplierYes/NoVoltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Differential - Input:Output	Yes/Yes
Voltage - Supply3.15 V ~ 5.25 VOperating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Frequency - Max	3.74GHz
Operating Temperature-40°C ~ 105°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Divider/Multiplier	Yes/No
Mounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Voltage - Supply	3.15 V ~ 5.25 V
Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Operating Temperature	$-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$
Supplier Device Package28-QFN (4x5)	Mounting Type	Surface Mount
	Package / Case	28-WFQFN Exposed Pad
Report errors?	Supplier Device Package	28-QFN (4x5)
		Report errors?

LTC6948IUFD-1#PBF Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

LTC6948IUFD-1#PBF Payment Methods



If you have any question about LTC6948IUFD-1#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com